

S7 Table. Effect of fragment number on the assembly of a pBR322-based knockout construct for the deletion of gene GSU 1371 in *Geobacter sulfurreducens*.

Number of fragments ^a	<u>Kan-Amp selection</u>		<u>Amp selection</u>	
	Colonies per transformation ^b	Correct band in colony PCR	Colonies per transformation ^b	Correct band in colony PCR
5	10	5/5	19	5/10
6	4	4/4	14	6/8

^a Fragment sizes were 551, 1,466, 555, 3,320, and 765 bp for five-fragment assembly; and 551, 1,466, 555, 1,803, 1,567, and 765 bp for six-fragment assembly.

^b Fragments were added at an equimolar ratio to the collective amount of ~125 ng per 25 µl transformation.